

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 7/18/85	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool Basin				Formation Dakota	
Completion Date 9/19/84		Total Depth 8080'		Elevation 6280' GR	
Csg. Size 4.500		Wt. 11.6		Set At 8080'	
Thg. Size 2.375		Wt. 4.7		Set At 7990'	
Perforations: From 7832' To 7988'				Well No. #116 (DK)	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Dual				Packer Set At 7400'	
Producing Thru Tubing		Reservoir Temp. *F @		Baro. Press. - P _a 12.0	
L		H		G _g Est. .590	
				% CO ₂	
				% N ₂	
				% H ₂ S	
Prover: Choke				Meter Run	
				Taps	
FLOW DATA					
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
SI	SIP				
1.	2"	X	.750"		68°
2.					
3.					
4.					
5.					
TUBING DATA					
	Press. p.s.i.g.	Temp. *F			
	2272				
	114	68°			
CASING DATA					
	Press. p.s.i.g.	Temp. *F			
Duration of Flow					
3 Hrs.					
RATE OF FLOW CALCULATIONS					
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g
1	9.604		126	.992	1.302
2.					
3.					
4.					
5.					
NO.	P _t	Temp. *R	T _f	Z	
1					
2.					
3.					
4.					
5.					
Gas Liquid Hydrocarbon Ratio					Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons					Deq.
Specific Gravity Separator					XXXXXXX
Specific Gravity Flowing Fluid					XXXXXXX
Critical Pressure					P.S.I.A.
Critical Temperature					R
$P_c = 2284$ $P_c^2 = 5216656$ $(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0155$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0116$					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		282	79524	5137132	
2		(Calc.)			
3					
4					
5					
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1595$					
Absolute Open Flow				Mcf @ 15.025	Slope, n
1595					.75
Remarks: Well unloaded 3 mins., cleared to light mist. Vented 197 MCF.					
GI i-e-s FcQ ² R ² Pt ² R ² +Pt ² Calc. Pw					
4714 .290 219839 63753 15876 79629 282 psia					
Approved By Commission:		Conducted By:		Checked By:	
		Chik Charley		M.J. Turnbaugh	
		S.K. Liese			